

# Adrian Delmarre

## *Data-Oriented CS Engineer*

### WORK EXPERIENCE

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OCTOBER 2015 – PRESENT

Amadeus, Sophia-Antipolis, France

#### *Data Engineer*

I conducted or took part in several data mining projects aiming to maximize conversion of customers visits into clients bookings. Skills : Python, R, MongoDB, Scala, Spark, Hadoop

FEBRUARY 2015 – SEPTEMBER 2015

University of Passau, Germany

#### *Fraud Detection*

The purpose of the project was to evaluate and improve current techniques for detection of payment fraud. This involved high-volume real-time machine learning issues. Skills : Binary classification, Data balancing, Optimization, R

MAY 2014 – SEPTEMBER 2014

ANEO, Boulogne-Billancourt, France

#### *Social Network Analyst*

By examining interpersonal communications (mainly e-mail) as typed graphs using Social Network Analysis techniques, we got a better understanding of the structure of inner and outer-organizational communication. This helped us improving the way information and change could be brought. Skills : R, Social Network Analysis, Organizational Network Analysis

JUNE 2013 – SEPTEMBER 2013

Systar, Lyon, France

#### *NoSQL Backoffice Java Developer*

Conception and implementation of a RedoLog. In a NoSQL (column, key-value) bi-temporal database context, the internship objective was to log transactions in a custom binary format, so that we could guarantee platform integrity even after a crash, by replaying transactions in the same exact order. Skills : Java EE, Concurrency programming, NoSQL, Scrum

JANUARY 2012 – MARCH 2012

Pole Azur Provence, Grasse, France

#### *Product Developer*

I was asked to design and develop, from scratch, a Sharepoint Workflow management tool. This was made possible by the combination of a desktop user interface and a Windows Service. They were both run on the Sharepoint main server, which involved memory and performance management issues. Skills : Project Management, Sharepoint, C#, WinService

📍 I live in Antibes (France)

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✉ adelmarre@vongo.eu

### EDUCATION

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2013–2015 **CS Master Degree**  
University of Passau, Germany

2012–2015 **CS Engineer Degree**  
INSA Lyon, France

2010–2012 **CS Technical Degree (BTS IG)**  
LTP C.Peguy, Marseille, France

2008–2010 **Bachelor in Epistemology**  
Aix-en-Pce University, France

2006–2008 **Humanities CPGE**  
Dumont d'Urville, Toulon, France

2006 **High School Diploma**  
Mathematics, Summa Cum Laude

### MAIN SIDE-PROJECTS

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2013 **[github.com/halflings/autonomiee](https://github.com/halflings/autonomiee)**  
With a few classmates, we've built a little robot-car using the power of Arduino, Raspberry Pi and a couple of motors associated with a bunch of sensors. On top of that, we've also built a desktop and a mobile clients able to control the car remotely (with the ability to automatically avoid obstacles), but also simulated a particle filter: an algorithm that makes it possible to determine the position and orientation of the car even though the sensors are noisy.

### COMMUNICATION SKILLS

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FRENCH Native speaker

ENGLISH Fluent

SPANISH, GERMAN Oral: fair

### COMPUTER SCIENCE SKILLS

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GOOD LEVEL R, Data Modeling

INTERMEDIATE  $\LaTeX$ , SQL, C, C++,  
Python, Java, C#, Git,  
UML, Machine Learning

BASIC KNOWLEDGE Scala, HTML/CSS,  
Javascript